CLAIMS

Having thus described our invention, what we claim new and desire to secure by Letters Patent is as follows:

1. A system for providing context based verbal commands to a multi-modal browser, comprising:

    a context-based audio queue ordered based on contents of a page being audibly read by the multi-modal browser to a user;

    a store for storing a current context of the audio queue; and

    a speech recognition engine for recognizing and registering voice commands, wherein said speech recognition means compares a current audio context with the context associated with a voice command and causes the browser to perform an action based on the comparison.

2. The system as recited in claim 1, wherein the browser action comprises accessing a different Uniform Resource Locator (URL) and rendering a page specified by the URL.

3. The system as recited in claim 1, wherein when a first tag is used to designate the audio context, recognized voice commands associated with the audio context are ignored unless an audio context has been established, and wherein if a context has been established, a Uniform Resource Locator (URL) is followed after appending the current context.

4. The system as recited in claim 3, wherein said first tag is designated a REQUIRED tag.

1   5. The system as recited in claim 3, wherein when a second tag is used to

2   designate the audio context, if a context is established, it is appended before

3   driving the URL, and wherein if no context is established, the URL is

4   followed without appending anything.

1   6. The system as recited in claim 5, wherein the second tag is designated an

2   OPTIONAL tag.

1   7. The system as recited in claim 5, wherein when a third tag is used to

2   designate the audio context, the context is not appended even if it is defined.

1   8. The system as recited in claim 7, wherein the third tag is designated an

2   IGNORE tag.

1   9. The system as recited in claim 7, wherein when a fourth tag is used to

2   designate the audio context, the command is driven only if a context is not

3   defined.

1   10. The system as recited in claim 9, wherein the fourth tag is designated an

2   INVALID tag.

3   11. The system as recited in claim 1, wherein the page being audibly read is a

4   markup language page.

1   12. A computer implemented method for providing context based verbal

2   commands to a multi-modal browser, comprising the steps of:

3   building a context based audio queue based on the contents of markup

4   language page being audibly read by the multi-modal browser to a user;

5   storing a current context of the audio queue; and

6   recognizing and registering voice commands, wherein the current

7   audio context is compared with a voice command, thereby causing the

8   multi-modal browser to perform an action based on the comparison.

1   13. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 12, wherein the

3   browser action comprises accessing a different Uniform Resource Locator

4   (URL) and displaying the contents of the URL.

1   14. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 12, wherein when a

3   first tag is used to designate the audio context, recognized voice commands

4   associated with the audio context are ignored unless an audio context has been

5   established, and wherein if a context has been established, a Uniform

6   Resource Locator (URL) is followed after appending the current context.

1   15. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 14, wherein said first

3   tag is designated a REQUIRED tag.

1   16. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 13, wherein when a

3   second tag is used to designate the audio context, if a context is established, it

4   is appended before following the URL, and wherein if no context is

5   established, the URL is driven without appending anything.

1   17. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 16, wherein the

3   second tag is designated an OPTIONAL tag.

1   18. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 16, wherein when a

3   third tag is used to designate the audio context, the context is not appended

4   even if it is defined.

1   19. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 18, wherein the third

3   tag is designated an IGNORE tag.

1   20. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 18, wherein when a

3   fourth tag is used to designate the audio context, the command is driven only

4   if a context is not defined.

1   21. The computer implemented method for providing context based verbal

2   commands to a multi-modal browser as recited in claim 20, wherein the fourth

3   tag is designated an INVALID tag.

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